PCT/US2005/000932

A. CLASSII	FICATION OF SUBJECT MATTER F01C9/00 F01B21/00 F02B41/0	4 F02B47/02	F01L7/00
	10207,00	•	·
	International Patent Classification (IPC) or to both national classificat	ion and IPC	
	SEARCHED currentation searched (classification system followed by classification	n symbols)	
Minimum do	F01C F01B F02B	, synwoisj	
Documental	ion searched other than minimum documentation to the extent that su	ch documents are included in	the fields searched
	ata base consulted during the international search (name of data base	and, where practical, search	terms used)
EPO-In	ternai		
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.
X	DE 24 38 410 A1 (EMPRESA DE CONST	RUCTION	1-4, 9-13,
	INDUSTRIAL, HAVANNA) 19 February 1976 (1976-02-19)		15-26, 28,29
	page 18, paragraph 4 - page 22, p	paragraph	20,23
	figures 21-45		
X	US 3 769 788 A (KORPER G,US) 6 November 1973 (1973-11-06) abstract		1-4,34, 35
	column 9, line 66 - column 10, li column 16, line 41 - column 17, l figures 1,4-7,11	ine 31 line 24	
		·/	
X Furt	ther documents are listed in the continuation of box C.	X Patent family member	rs are listed in annex.
	ategories of cited documents: ent defining the general state of the art which is not	or priority date and not in	after the international filing date conflict with the application but findple or theory underlying the
consi	dered to be of particular relevance document but published on or after the international	invention "X" document of particular rele	. , ,
"L" docum: which citatio	ent which may throw doubts on priority claim(s) or i is cited to establish the publication date of another on or other special reason (as specified)	involve an inventive step "Y" document of particular rele cannot be considered to	when the document is taken alone
other	ent referring to an oral disclosure, use, exhibition or means lent published prior to the international filing date but than the priority date claimed	ments, such combination in the art.  "&" document member of the s	being obvious to a person skilled
Date of the actual completion of the international search		Date of mailing of the international search report	
1	18 May 2005	24 -02-	( <del> </del>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2		Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Matray, J-	F

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	1 01/ 032003/ 000332	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	US 3 595 014 A (HAROLD A. MCMASTER) 27 July 1971 (1971-07-27)  abstract column 3, line 1 - line 7	1,4, 9-11, 15-21, 23-29, 34,36	
	column 5, line 13 - line 48 column 12, line 20 - line 36 column 16, line 49 - column 17, line 6 figures 7,8		
X	WO 03/074840 A (SHKOLNIK, NIKOLAY) 12 September 2003 (2003-09-12) cited in the application page 16, line 4 - page 17, line 19 page 21, line 7 - page 22, line 21 page 32, line 22 - page 35, line 23 figures 1,3,9,11	1-8, 12-14, 34-36	
X	US 6 397 579 B1 (NEGRE GUY) 4 June 2002 (2002-06-04)  column 2, line 32 - line 45 column 4, line 23 - column 5, line 45 figures 5-9	1-4,11, 15,16, 18-23, 34,35	
А	US 3 687 117 A (VIKTOR MITRUSHI PANARITI) 29 August 1972 (1972-08-29) column 4, line 30 - line 61	1,12-14	

International application No. PCT/US2005/000932

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:				
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III Observations where unity of Invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
see additional sheet				
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-29, 34-36				
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.				

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-29, 34-36

Method of energy conversion with constant volume combustion and corresponding engines.

2. claims: 30-33

Engine or other structure with a fluidic diode between a housing and a movable member.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 2438410 A1	19-02-1976	NONE	
US 3769788 A	06-11-1973	NONE	
US 3595014 A	27-07-1971	NONE	
WO 03074840 A	12-09-2003	AU 2003224628 A1 CA 2482336 A1 EP 1485577 A2 JP 2005519216 T	16-09-2003 12-09-2003 15-12-2004 30-06-2005
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